





ETH NOTE
 MODE[0:2] has internal pullup
 PHAD0 has internal pull down
 ETH_LED2 with pulldown for non-standard RMII mode

Comment	Description	Designator	Footprint	LibRef	Quantity
GN TEST POINT	Test Point 1.3 mm	25 MHz	TP 1.3mm	GN TEST POINT	1
ACME Board RoadRunner		AB RoadRunner	AB RoadRunner	AB RoadRunner	1
CC 100nf 10V	Capacitor, Multi Layer Ceramic	C1	CC 0402S 1005m SOLDER	CC Ceramic Capacitor	1
CC 100uf 6.3V	Capacitor, Multi Layer Ceramic	C2, C3, C4, C8	CC 1206 (3216 metric)	CC Ceramic Capacitor	4
18pf	Capacitor, Multi Layer Ceramic	C5	CC 0402S 1005m SOLDER	CC Ceramic	1
CC 1nf 3KV	Capacitor, Multi Layer Ceramic	C6, C9	CC 1808 (4520 metric)	CC Ceramic Capacitor	2
CE Supercap 0F47 - 5V	Electrolytic Capacitor	C7	Supercap AVX 8x16x18	CE Supercap	1
CC 47uf 6.3V	Capacitor, Multi Layer Ceramic	C10, C11	CC 1206 (3216 metric)	CC Ceramic Capacitor	2
CC 10uf	Capacitor, Multi Layer Ceramic	C12	CC 0805 (2012 metric)	CC Ceramic Capacitor	1
10uf	Capacitor, Multi Layer Ceramic	C13	CC 0805 (2012 metric)	CC Ceramic	1
100nf	Capacitor, Multi Layer Ceramic	C14, C15, C16, C18	CC 0402S 1005m SOLDER	CC Ceramic	4
1uf	Capacitor, Multi Layer Ceramic	C17	CC 0805 (2012 metric)	CC Ceramic	1
33pf	Capacitor, Multi Layer Ceramic	C19	CC 0402S 1005m SOLDER	CC Ceramic	1
27pf	Capacitor, Multi Layer Ceramic	C20	CC 0402S 1005m SOLDER	CC Ceramic	1
18pf N.M.	Capacitor, Multi Layer Ceramic	C21	CC 0402S 1005m SOLDER	CC Ceramic	1
1uf	Capacitor, Multi Layer Ceramic	C22, C26, C27	CC 0603 (1608 metric)	CC Ceramic	3
470pf	Capacitor, Multi Layer Ceramic	C23	CC 0402S 1005m SOLDER	CC Ceramic	1
10uf	Capacitor, Multi Layer Ceramic	C24	CC 1206 (3216 metric)	CC Ceramic	1
CC 10uf 10V	Capacitor, Multi Layer Ceramic	C25	CC 0805 (2012 metric)	CC Ceramic Capacitor	1
DS 100mA 0603 30V	Schottky Diode	D1, D2	DD 0603	DS Schottky Diode	2
GREEN	LED Light-emitting diode	DL1, DL2	DL 0603 (1608 metric) GREEN	DL LED	2
FU BOURNS	Booms Fuse	F1	FU 1812 (4532 metric)	FUSE SMD	1
FF ACME		Fid 1, Fid 2, Fid 3, Fid 4	Fiducial 1mm_small	FF ACME	4
JJ HDR 1x3 2.54mm N.M.		J1	HDR 1x3	JJ HDR 1x3 2.54mm	1
JJ HDR 1x4 2.54mm		J2	HDR1X4 - Female DualMount	JJ HDR 1x4 2.54mm	1
JJ HDR2X2GRM SMD F	Header 20X2 SMD Female reverse mount	J3, J4, J5, J6	HDR2X2 SMD Female	JJ HDR2X2GRM SMD F	4
JJ USB A	USB 2.0 type A	J7	USB2.0-4H4 3D FOX	JJ USB A	1
JJ USB Micro SMD	USB Micro B Digikey 609-4050-2-ND	J8	USB Micro B - Extended	JJ USB Micro SMD	1
JJ HDR1X2	Header, 2-Pin Dual Mount, Female, 2mm	J9, J13	HDR1X2 NAKED	JJ HDR1X2	2
JJ HDR1X6 6mm M	Header, 6-Pin Male 6mm	J10	HDR1X6 3D	JJ HDR1X6 6mm M	1
JJ R.LD260TC1 ETH	ETH connector RLD-260TC1 1MMAG	J11	R.LD-260TC1	JJ R.LD260TC1 ETH	1
LF 221	Ferrite	L1, L2, L3, L4, L5, L6	LL 0603 (1608 metric)	LF Ferrite	6
2uH2	Power Inductor 2uH2 0805	L7	LL 0805 (2012 metric)	LL Inductor	1
220@100Mhz	Ferrite 220 Ohm 2A 0805	L8	LL 0603 (1608 metric)	LF Ferrite	1
120@100Mhz	Ferrite 120 Ohm 0603	L9	LL 0603 (1608 metric)	LF Ferrite	1
LC 90 150mA 0504	Common Mode Choke Coil Film Type	LC1, LC2, LC3	LC 0504 (1210 metric)	LC Choke	3
LC filter 0603	Ferrite 220 Ohm 2A 0805	LC4	LC 0603 (1608 metric)	LC EMI Filter	1
SW KTH33050	SWITCH TACT 6MM 160GF H-4.3MM	P1, P2	PULSANTE SMD S	SW KTH33050	2
MP 3A SOT23 20V	3A-P-Channel Logic MOSFET SOT23	Q1	SOT23 for IRLML6402	MP 3A SOT23 20V	1
MN 100mA SOT23 50V	100mA N-Channel Logic MOSFET SOT23	Q2, Q3	SOT23 for IRLML6402	MN 100mA SOT23 50V	2
RR 100k	Resistor	R1, R4	CC 0402S 1005m SOLDER	RR Resistor	2
1k	Resistor	R2, R8	CC 0402S 1005m SOLDER	RR Resistor	2
1M 1%	Resistor	R3	CC 0402S 1005m SOLDER	RR Resistor	1
220k 1%	Resistor	R5	CC 0402S 1005m SOLDER	RR Resistor	1
RR 47k 5%	Resistor	R6	RR 0402S 1005m SOLDER	RR Resistor	1
RR 0R1 0805 5%	Resistor	R7	RR 1206 (3216 metric)	RR Resistor	1
RR 0R 0805 5% N.M.	Resistor	R9	RR 0805 (2012 metric)	RR Resistor	1
N.M.	Resistor	R10	RR 0603 (1608 metric)	RR Resistor	1
10k	Resistor	R11	RR 0402S 1005m SOLDER	RR Resistor	1
RR 0R 0805 5%	Resistor	R12	RR 0805 (2012 metric)	RR Resistor	1
1k5	Resistor	R13	RR 0402S 1005m SOLDER	RR Resistor	1
N.M.	Resistor	R14	RR 0402S 1005m SOLDER	RR Resistor	1
49R9	Resistor	R15, R16, R17, R18	RR 0402S 1005m SOLDER	RR Resistor	4
RR 1k 5%	Resistor	R19, R20, R21	RR 0402S 1005m SOLDER	RR Resistor	3
RR 10k 5%	Resistor	R22	RR 0402S 1005m SOLDER	RR Resistor	1
12k1 1%	Resistor	R23	RR 0402S 1005m SOLDER	RR Resistor	1
RR 39R	Resistor	R24	RR 0402S 1005m SOLDER	RR Resistor	1
RR 68k 5%	Resistor	R25, R26	RR 0402S 1005m SOLDER	RR Resistor	2
RR 100Ohm	Resistor	R27	CC 0402S 1005m SOLDER	RR Resistor	1
RR 1k	Resistor	R28, R33, R34	CC 0402S 1005m SOLDER	RR Resistor	3
RR 0R N.M.	Resistor	R29	CC 0402S 1005m SOLDER	RR Resistor	1
RR 100R	Resistor	R30	RR 0603 (1608 metric)	RR Resistor	1
RR 4k7 5%	Resistor	R31, R32	RR 0402S 1005m SOLDER	RR Resistor	2
CM1624		U1	CM1624	IC CM1624	1
LAN8720A		U2	QFN24 - 4x4mm	IC LAN8720	1
AP7333-255AG	LDO Regulator SOT-23 17MHz, 1A, High Efficiency, Low Ripple, Adjustable Output Voltage Step-down Converter	U3	SOT23 generic	AP7333	1
IC NCP1529		U6	IC SOT23-5	IC NCP1529	1
microSD hinge socket		USD	microSDHinge JAE E	microSDHinge	1
25 MHz		Y1	XT DF N-LCC 3.2x2.5	XT QUAD	1